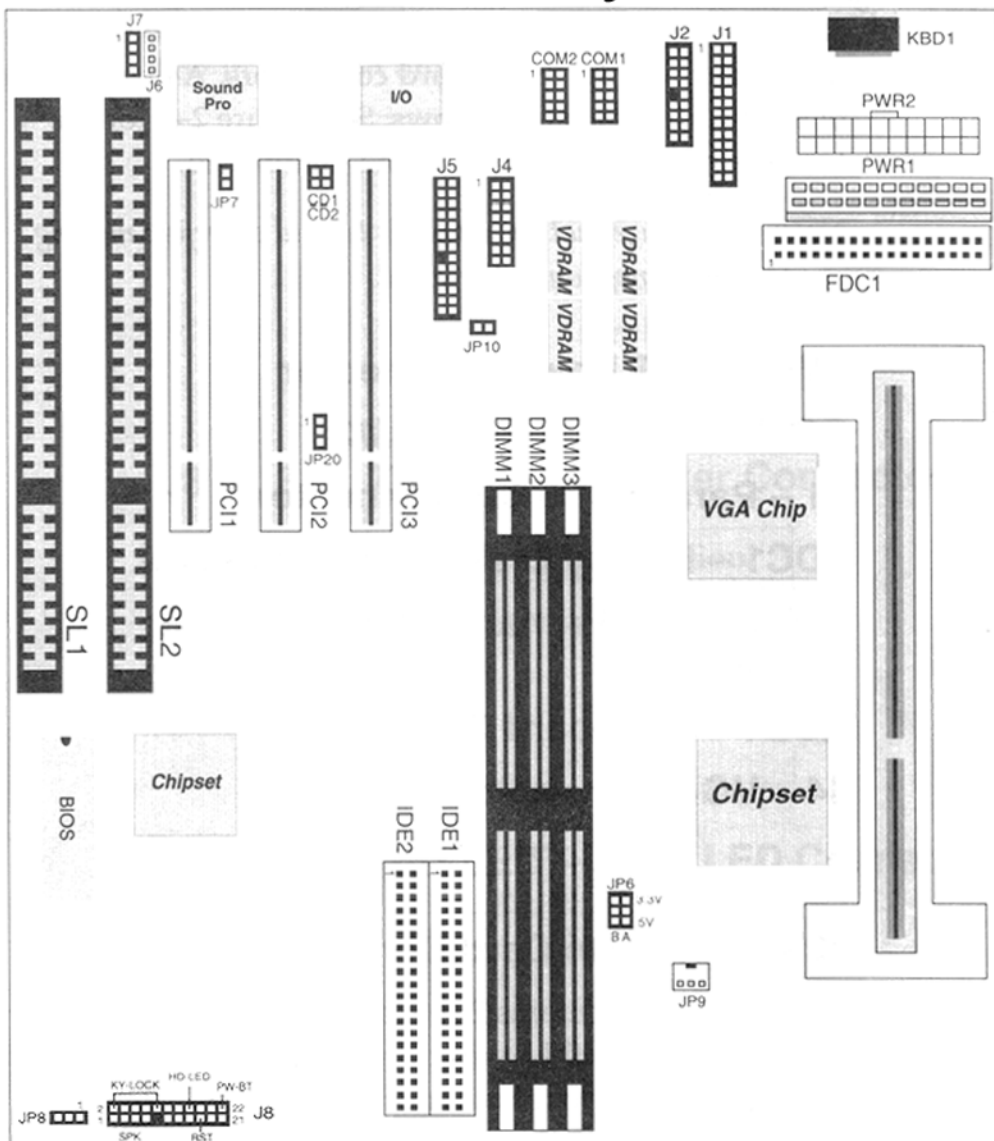# Key Features

The advanced features of the mainboard include:

- Supports Pentium II 233-450 MHz and Celeron 266-333 MHz CPU's with frequency at 66/100 MHz in slot 1 for AT form factor;
- Provides 3 DIMMs for SDRAM/EDO/FPM memory modules and is expandable up to 384MB, however, it is not recommended to use EDO/FPM DRAM when 100 MHz CPU frequency is being used and SDRAM has to meet the requirement of PC-100 if using 100MHz;
- Built in high performance 64bit 3D AGP graphics accelerator with 8MB frame buffer;
- Supports Advanced Configuration Power Interface (ACPI) and Legacy PMU and the Ultra DMA/33, fully compliant to PC97 and PC98;
- Provides both AT and ATX power connectors, and supports various functions of ATX power, such as Suspend/Shutdown, Alarm Wake Up, Modem Ring On, and Wake On LAN;
- Provides 3 PCI, 2 ISA slots, and PCI Bus Master IDE interface supports 4 IDE devices with 2 channels;
- Onboard super multi-I/O chip supports 2 serial ports with 16550 compatible fast UART, 1 IR port, 1 parallel port with EPP and ECP capabilities, and one floppy disk drive interface with 1MB/s transfer rate;
- Provides ATX Form Card which contains PS/2 Mouse, 2 USB interface, and Infrared connectors;
- Onboard 3D Sound Pro meets PC98 specification and supports HRTF positional audio, direct sound 3D, provides drivers for 3D games that use Aureal software interface, software wave-table synthesizer, and digital audio interface in/out.

# Motherboard Layout

# Connector Descriptions:

| | |
|---|---|
| AT Power Connector | PWR1 |
| Serial Port #1 & #2 | COM1/2 |
| Parallel Printer Connector | J1 |
| Floppy Disk Drive Connector | FDC1 |
| Primary/Secondary IDE | IDE1/IDE2 |
| Keyboard Connector | KBD1 |
| VGA Connector | J4 |
| ATX Form Card Connector | J2 |
| Keylock & Power LED Connector | J8 (2, 4 , 6, 8, 10) (KY-LOCK) |
| Speaker Connector | J8 (1, 3, 5, 7) (SPK) |
| HDD LED Connector | J8 (15,16) (HD-LED) |
| Reset Switch Connector | J8 (17, 18) (RST) |
| ATX Power Button and Suspend Switch Connector | J8 (21, 22) (PW-BT) |
| Wake On LAN | JP20 |
| CPU Fan Connector | JP9 |
| Sound Pro Connectors: | |
| Analog Audio for Panasonic/Sony | J6/J7 |
| Sound and Game | J5 |
| Digital Audio Out/IN | CD2/CD1 |
| DIMM Voltage Selector | JP6 |
| Onboard Sound Selector | JP7 (Off: Enable, ON: Disable) |
| Microphone Type Selector | JP10 (Off: Standard, On: Special) |
| CMOS RAM Clear Selector | JP8 (1-2: Clear CMOS, 2-3: Normal Mode) |